

Project Indalo, Palomares, Spain

- Impact, detonation, and dispersal of plutonium over 586 acres in Palomares, Spain, following a mid-air collision of two U.S. air force jets on January 17, 1966.
- Pursuant to the Hall-Otero Agreement of February 25, 1966, DOE and its predecessor agencies have funded a portion of the cost of medical surveillance of the residents of Palomares and monitoring their environment. Open-ended agreement (no finish date).
- Medical monitoring and environmental surveillance since 1996:
 - 769 residents tested over 25 years
 - 150 tested annually
 - 10 may have internal contamination
- Medical examinations include:
 - medical history
 - physical examination
 - resting electrocardiogram
 - pulmonary spirometry
 - audiometry
 - visual acuity
 - complete blood count
 - blood chemistry
 - clinical urinalysis
 - x-ray examinations (not routine)
 - ultrasound examinations (not routine)
- Centro de Investigaciones Energéticas Medioambientales y Tecnológicas (CIEMAT; Center for Energy, Environmental, and Technological Research) directs the research program; DOE provides approximately 25% of the budget.